

ABSTRACT OF THE INVENTION

A system and method of the present invention include a gateway device that serves as an interface between a high speed wireless data packet network and an application server placed
5 within a wireline data packet network such as the Internet. The gateway device generates network performance indicators that reflect performance of the high speed wireless data packet network and transmits them to an application server. This enables the quality of service determinations to be made by the
10 application server with at least some knowledge of the wireless network's ability to support the selected quality of service. In the described embodiment of the invention, the gateway devices are GPRS/UMTS gateway GPRS support nodes (GGSNs). The GGSNs generate network performance indicators.